


## RECORDING MEMBER AND RECORDING METHOD AND RECORDING DEVICE USING THE SAME MEMBER

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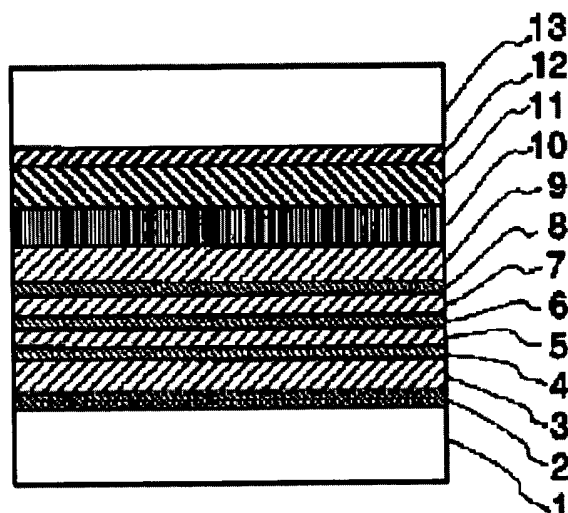
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### Abstract of JP9007224

**PURPOSE:** To enable accurate multi-valued recording with good reproducibility by using a multilayered recording member in which reflectance in the same position is changed stepwise and an almost same recording mark can be formed in each recording layer when information is recorded or rewritten by irradiation of energy beams.

**CONSTITUTION:** The recording member has a multilayers structure comprising phase transition recording films (A) 4, (B) 6 and (C) 8 having different recrystallization times after fused and dielectric layers 5, 7 among the recording films. When recording or rewriting is done in this recording member, the recording waveform is controlled in such a manner that the power is the level to melt the whole recording films and that either the power level falling just after the recording pulse or the holding time of the low power level after falling is changed, or both of these waveforms are changed according to the information signal to be recorded. Thereby enabling multilevel recording with good reproducibility according to the recording waveform in the same position.



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